



MI³

- Metadata Integration and Improvement Initiative

Active Archive Branch



Many paper-based and electronic systems have been used to manage station metadata. MI³ integrates this metadata into a common system for easy access.



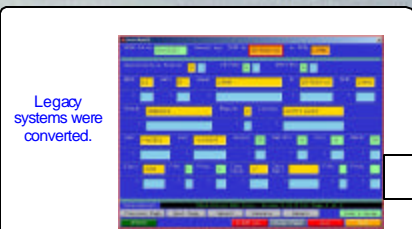
Observing networks have multiplied and evolved, significantly increasing the volume and complexity of station metadata



Detailed station metadata was often available only on paper or microfiche, limiting accessibility and usefulness



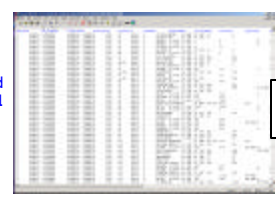
Paper files were merged and collated, then imaged and indexed



Legacy systems were converted.



Key external systems are ingested



Various ad hoc lists will be merged and integrated

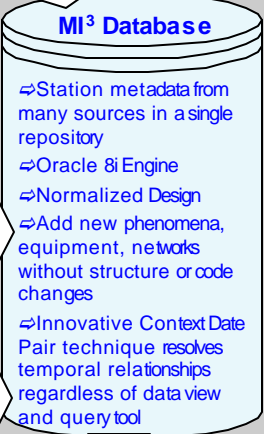
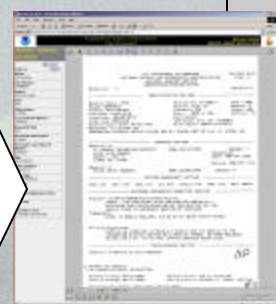
Conversion of NCDC legacy systems

Automated ingest of information from NWS

Integration of miscellaneous station lists

Incorporation of index information to enhance current digital record

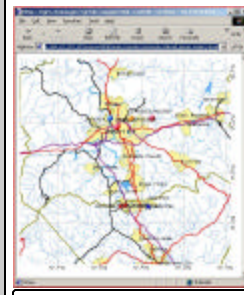
The commercial WSSRD (Web Store Search Retrieve Display) service permits location-independent station research



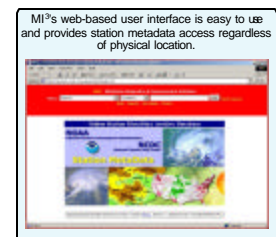
An optional, advanced search screen increases flexibility in locating stations



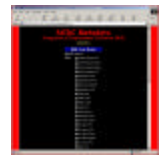
The printable search results give an overview



Visualize search results with a map



MI³'s web-based user interface is easy to use and provides station metadata access regardless of physical location.



Flexible security permits read-only research, data entry and general maintenance using the same interface

A single click opens a station details window. Multiple windows may be opened for side-by-side station comparison



Drill down from summary grid to individual details



Security system controls access to maintenance screens



Tabbed station details windows provide access to:

- ✓ Identity
- ✓ Location
- ✓ Observers
- ✓ Station Administration
- ✓ Phenomena Observed
- ✓ Equipment
- ✓ Data Products
- ✓ Update History
- ✓ Remarks

Expert research, metadata integration and problem resolution

Ad hoc access to station metadata

Direct database query

Other Systems

Standard Production Reports

Searchable document images help resolve anomalies and extend the digital record

